



Biorefinery: Current Status, Challenges, and New Strategies

Guest Editors:

Dr. Kwang Ho Kim

Clean Energy Research Center,
Korea Institute of Science and
Technology, Seoul 02792, Korea

Prof. Dr. Chang Geun Yoo

Department of Chemical
Engineering, State University of
New York College of
Environmental Science and
Forestry, Syracuse, NY 13210, USA

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Message from the Guest Editors

Dear Colleagues,

Renewable fuels and chemicals derived from lignocellulosic biomass offer unprecedented opportunities for replacing fossil fuel derivatives, reducing our overdependence on imported oil and mitigating current climate change trends. In recent years, new biorefinery concepts including a lignin-first approach and a closed-loop biorefinery have been introduced to tackle technoeconomic challenges.

In this Special Issue, we invite submissions that explore the process for biomass fractionation, lignin valorization, and sugar conversion or introduce new bioproducts (chemicals and materials) from renewable resources, addressing the current status, technical/technoeconomic challenges, and new strategies. This Special Issue will provide a more comprehensive view on developing future biorefinery.

Dr. Kwang Ho Kim
Dr. Chang Geun Yoo
Guest Editors





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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